AEE/BTP/SP/03/22-24
25/4/2023

# Original/Duplicate/Triplicate
# CONTRACT CERTIFICATE
(For Other Works)

No: Second and Part Bill — Date.....20

Division: **Byatarayanapura** — Sub-Division: **Byatarayanapura Sub Division**

Bill Received No. — Dated — Divisional / Sub Divisional — Cash Book Voucher No..... Dated.....

Schedule Docket No. — Head of Account: — **Work Code:** 005-23-000001 — Est.Cost- **600.00 Lakhs**

Name of Work: **Improvements and Restoration of Roads in Ward No. 05 (Package 01)(Package Consists of 6 Works):**

Name of Contractor and Full Address : Sri.K.R Santhosh Kumar, NO:4, Samrudhi, AVR Block 1st, A Main, Dhanalakshmi Layout, Virupakshapura, Bangalore-560097

Reference to Agreement No: BBMP/EE/BTP/WO/48/2022-23 — Date: 18-06-2022

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Certified that the measurements were taken by me on 25/4/23 and recorded of Pages 628501-628507 of measurement Book No. 6286/22-23 and that the work is satisfactorily executed.

Contractor (Ward-08)

Officer-in-charge of work

Certified that the measurement were taken by me on 25/04/23 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Total: 5417300.00
upto 1st & part: 3630800.00

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within — 1786500.00
2) Deduct amount to be held in reserve being ..... TFB 2nd part percent Rs.
3) " Balance
4) Deduct Payment:
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of
   b) Payments Now made } cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
7) Net amount due to or from Contractor — unadjustments items.
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

Total amount adjusted -

| | | |
|---|---|---|
| Total | 1786500 | 00 |
| I+ | 178650 | 00 |
| CGST | 151399 | 00 |
| SGST | 151399 | 00 |
| Cess | 178650 | 00 |
| CBF | 17865 | 00 |
| CR | 176537 | 00 |
| Ded | 854500 | 00 |
| Net Payable | 17010500 | 00 |

Contractor's Signature

Received Rs.....(in words).....17 3867

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Witness
1.
2.

Dated — Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Restoration of 110 village roads dug by BWSSB for water supply work

(For use in the Office)

Stamp

1786500/-

854500/-

17010500/-

20/5/23

20/5/23

Executive Engineer

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# ABSTRACT

| Item No | Description | unit | Modified Shedule-B | | | Previous | | | Present | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qnty | Rate | Amount | Qnty | Rate | Amount | Qnty | Rate | Amount | Qnty | Amount | |
| 1 | Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification and directions of the Engineer in charge. | Cum | 2138.52 | 209.68 | 448406.00 | 1809.86 | 209.68 | 379491.00 / 379493.00 | 328.66 | 209.68 | 68912.00 | 2138.52 | 448403.00 / 448405.00 | |
| 2 | Removing and refixing stone slabs of drains and pointing in CM (1:3) complete as per specification and directions of the Engineer in charge. | Sqm | 5128.52 | 112.41 | 576497.00 | 3591.95 | 112.41 | 403771.00 | 1536.57 | 112.41 | 172725.00 | 5128.52 | 576496.00 | |
| 3 | Providing granite slabs of selected quality roughly dressed havinf a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing ete.,complete as per specification and directions of the Engineer in charge. | Sqm | 2408.27 | 749.42 | 1804802.00 | 1783.62 | 749.42 | 1336681.00 | 624.64 | 749.42 | 468121.00 | 2408.27 | 1804802.00 | |
| 4 | Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specification and directions of the Engineer in charge. | Cum | 90.12 | 5675.99 | 511508.00 | 90.12 | 5675.99 | 511520.00 / 511508.00 | 0.00 | 5675.99 | 0.00 | 90.12 | 511520.00 / 511508.00 | |
| 5 | Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200 Including Cost of material, Labour, HOM complete as per specification and directions of the Engineer in charge. | Cum | 174.27 | 7497.22 | 1306552.00 | 174.27 | 7497.22 | 1306541.00 / 1306552.00 | 0.00 | 7497.22 | 0.00 | 174.27 | 1306541.00 / 1306552.00 | |
| 6 | Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specification and directions of the Engineer in charge. | tonne | 11.10 | 80948.07 | 898349.00 | 11.10 | 80948.07 | 898524.00 / 898349.00 | 0.00 | 80948.07 | 0.00 | 11.10 | 898524.00 / 898349.00 | |
| 7 | Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,complete as per specification and directions of the Engineer in charge.. (Data Rate) | Sqm | 578.70 | 1941.22 | 1123375.00 | 578.70 | 1941.22 | 1123384.00 / 1123375.00 | 0.00 | 1941.22 | 0.00 | 578.70 | 1123384.00 / 1123375.00 | |
| 8 | Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete as per specification and directions of the Engineer in charge. | Sqm | 41.78 | 5472.18 | 228639.00 | 41.78 | 5472.18 | 228628.00 / 228639.00 | 0.00 | 5472.18 | 0.00 | 41.78 | 228628.00 / 228639.00 | |

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| Item No | Description | unit | Modified Shedule-B | | | Previous | | | Present | | | Total Upto Date | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qnty | Rate | Amount | Qnty | Rate | Amount | Qnty | Rate | Amount | Qnty | Amount | |
| 9 | Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specification and directions of the Engineer in charge. Qty Upt 125% | Cum | 1648.09 | 56.82 | 93645.00 | 533.54 | 56.82 | 30316.00 | 1114.55 | 56.82 | 63328.00 | 1648.09 | 93644.00 | |
| | Qty Above 125% | | 703.35 | 56.82 | 39966.00 | | | | 529.10 | 56.82 | 30064.00 | 529.10 | 30064.00 | |
| 10 | Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specification and directions of the Engineer in charge. | Sqm | 21720.42 | 41.75 | 906828.00 | 17090.13 | 41.75 | 713513.00 | 2687.73 | 41.75 | 112212.00 | 19777.86 | 825725.00 | |
| 11 | Supplying and laying Sand / Crushed Sand complete as per specification and directions of the Engineer in charge. | Cum | 0.00 | 1697.76 | 0.00 | 0.00 | 1697.76 | 0.00 | 0.00 | 1697.76 | 0.00 | 0.00 | 0.00 | |
| 12 | Extra for watering the earth to bring the earth upto required optimum moisture content manually including cost of all labour complete as per specification and directions of the Engineer in charge. | Cum | 0.00 | 12.85 | 0.00 | 0.00 | 12.85 | 0.00 | 0.00 | 12.85 | 0.00 | 0.00 | 0.00 | |
| 13 | Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specification and directions of the Engineer in charge. | Sqm | 25596.95 | 6.42 | 164333.00 | 17090.13 | 6.42 | 109719.00 | 6563.72 | 6.42 | 42139.00 | 23653.85 | 151858.00 | |
| 14 | Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification and directions of the Engineer in charge. Qty Upto 125% | Cum | 6783.34 | 2021.29 | 13711095.00 | 3948.70 | 2021.29 | 7981468.00 7968840.00 7981459.00 | 2213.74 | 2021.29 | 4474606.00 | 6162.44 | 12456074.00 12456065.00 | |
| 15 | Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specification and directions of the Engineer in charge. Qty Upto 125% | Sqm | 34718.83 | 34.26 | 1189468.00 | 21508.59 | 34.26 | 736884.00 736885.00 | 10470.18 | 34.26 | 358708.00 | 31978.77 | 1095592.00 1095593.00 | |
| 16 | . Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by smooth wheeled, vibratory & tandem rollers to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specification and directions of the Engineer in charge. Qty Upto 125% | Cum | 1735.94 | 5923.63 | 10283077.00 | 1075.43 | 5923.63 | 6370449.00 6370446.00 | 523.51 | 5923.63 | 3101072.00 | 1598.94 | 9471521.00 9471518.00 | |
| 17 | Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specification and directions of the Engineer in charge. | Sqm | 3630.00 | 5.35 | 19421.00 | 0.00 | 5.35 | 0.00 | 0.00 | 5.35 | 0.00 | 0.00 | 0.00 | |

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| Item No | Description | unit | Modified Shedule-B | | | Previous | | | Present | | | Total Upto Date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qnty | Rate | Amount | Qnty | Rate | Amount | Qnty | Rate | Amount | Qnty | Amount |
| 18 | Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specification and directions of the Engineer in charge. | Sqm | 42717.17 | 12.85 | 548916.00 | 23898.13 | 12.85 | 307091.00 307092.00 | 13245.93 | 12.85 | 170210.00 | 37144.06 | 477301/= 477302.00 |
| 19 | Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specification and directions of the Engineer in charge. | Cum | 1708.69 | 8534.82 | 14583336.00 | 955.93 | 8534.82 | 8158690.00 8158652.00 | 529.84 | 8534.82 | 4522064.00 | 1485.76 | 12680754.00 12680716.00 |
| 20 | Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specification and directions of the Engineer in charge. | Sqm | 1262.32 | 459.29 | 579771.00 | 378.44 | 459.29 | 173814.00 | 569.64 | 459.29 | 261629.00 | 948.08 | 435443.00 |
| E1 | Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete | Cum | 497.79 | 2607.52 | 1298006.00 | 0.00 | 2607.52 0.00 | 0.00 | 497.79 | 2607.52 | 1298005.00 1297997/= | 497.79 | 1298005.00 1297997/= |
| | **Sub Total** | | | | **50315990.00** | - | 30770484/= | **30770264.00** | | 15143787.50 | **15143795.00** | | **45914059.00** |
| | **GST (18%)** | | | | **9056879.00** | - | 5538687/= | **5538648.00** | | 2725881.00 | **2725884.00** | | **8264531.00** |
| | **TOTAL AMOUNT** | | | | **59372869.00** | - | 36309171/= | **36308912.00** | | 17869668.66 | **17869679.00** | | **54178590.00** |

Round off

36308000/=

17865000.00

45914271.00
8264568.78
54178839.78
54173000.00

Certificate

1.The Work executed by the contractor is found satisfactory

2. The contractor has removed the debris from the work spot

3. Thereare no departmental issues for this work

Asst Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Asst Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-26

Executive Engineer

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